

Date: Wed, 10 Aug 94 04:30:23 PDT  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #276  
To: Ham-Equip

Ham-Equip Digest                      Wed, 10 Aug 94                      Volume 94 : Issue    276

Today's Topics:

                    AOR8000 Price???  
                    cell sites  
                    Freq Counter Kits  
                    Good HF rig question  
                    Help Heathkit Gen'l???  
          Kenwood TM-733A CTCSS (PL) tone too strong! Fix?  
          Kenwood TM-733A PL problem - the real story  
          Kenwood TM-733A surprise features and bugs [LONG].  
          Looking for table of used rig features  
          MARS/CAP (2 msgs)  
  Need some help with the design of an Operational Amplifier  
          New Life For Old FM Rigs  
  Q: Any Mods for Grundig Satelllite 700?  
          Radio Shack discount Stores  
          Ramsey FX-146 with 9600 packet.  
          Wanted, Kenwood RZ-1 mods  
          What kind of handheld is this?  
          Yaesu ext mike/PTT circuit

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 04 Aug 1994 21:12:59 -0800  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!apple.com!NewsWatcher!user@network.ucsd.edu  
Subject: AOR8000 Price???  
To: ham-equip@ucsd.edu

In article <feustelCtwqGM.rI@netcom.com>, feustel@netcom.com (David Feustel) wrote:

> Does anyone know the list price of the AOR8000 and when it will be  
> available in the U.S? Thanks.  
>  
> --  
> Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>  
>  
> Hilary Rodham Clinton: A 20th Century Lady MacBeth?

I hear it will be around \$650. When ? your guess is as good as mine.

Greg RotnApple Reid  
RotnApple

-----  
Date: 10 Aug 1994 02:30:11 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!  
hpscit.sc.hp.com!cupnews0.cup.hp.com!cupnews2.cup.hp.com!bmp@network.ucsd.edu  
Subject: cell sites  
To: ham-equip@ucsd.edu

yctcsl@cerfnet.com wrote:

: Does anyone have any info regarding the rate paid by PacBell (AirTouch) for  
: establishing a cell site lease. The offers been made however I'd be interested  
to  
: find out just what being paid these days.

I'd negotiate for a phone or two with free airtime as part of the deal.  
Brian

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Date: 9 Aug 1994 19:23:05 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: Freq Counter Kits  
To: ham-equip@ucsd.edu

Does anyone have info on companies that manufacture kits to build freq  
counters. I really need to go the kit approach as I want to modify the

the thing to do some thing else in a different package.

thanks

Jim Campbell  
e-mail campbell36@aol.com

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Date: Mon, 8 Aug 94 21:09:14 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
Subject: Good HF rig question  
To: ham-equip@ucsd.edu

Howard...

The Kenwood TS-520 and the Yaesu FT-101ZD are both decent "hybrid" (solid state receiver, tube finals in the transmitter) rigs and worth the money, but they were both already out of production when you quit ham radio 12 years ago. They date from the 1970's. For another \$100 or so, you can get a fully solid-state rig, the Kenwood 120 for example. You haven't lived until you have been able to QSY to your heart's content without returning ..retuning...the transmitter.

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Date: 9 Aug 1994 19:19:09 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: Help Heathkit Gen'l???  
To: ham-equip@ucsd.edu

Is Heathkit still in business? Can anyone help with a phone number or address.

Thanks Jim Campbell  
e-mail campbell36@aol.com

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Date: 6 Aug 1994 10:58:05 -0400  
From: lll-winken.llnl.gov!overload.lbl.gov!agate!library.ucla.edu!  
europa.eng.gtefsd.com!swiss.ans.net!newstf01.cr1.aol.com!search01.news.aol.com!  
not-for-mail@ames.arpa  
Subject: Kenwood TM-733A CTCSS (PL) tone too strong! Fix?  
To: ham-equip@ucsd.edu

In article <STEVE.94Aug5213247@susie.vigra.com>, steve@vigra.com (Steve Haehnichen) writes:

I've heard of this, but I have not noticed it on my radio. I have asked several people to tell me if they notice any difference in my signal quality once with the tone on and once with it turned off and they told me they couldn't tell any difference. May be they fixed in the later models. The serial number on my radio is 60300967. But let me know if you find out if there is a fix for the problem. I would like to have it on file in case it turns up later.

73's Lonnie

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Date: 8 Aug 1994 20:52:02 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: Kenwood TM-733A PL problem - the real story  
To: ham-equip@ucsd.edu

In article <325hin\$c5i@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:

So did they tell you what the fix was? Is it possible for a person that knows a little about electronics to fix it themselves rather than sending the radio back and wait 4 weeks or so to get it back.

Thanks for any information.

Lonnie

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Date: 5 Aug 1994 17:37:49 GMT  
From: ihnp4.ucsd.edu!news.cerf.net!bengal.oxy.edu!acsc.com!wp-sp.nba.trw.com!elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!agate!kennish@network.ucsd.edu  
Subject: Kenwood TM-733A surprise features and bugs [LONG].  
To: ham-equip@ucsd.edu

In article <STEVE.94Aug4205051@susie.vigra.com>, Steve Haehnichen <steve@vigra.com> wrote:

>#

>Cross-band repeat isn't documented. (Why do manufactures insist on  
>hiding this one?)

Because many hams out there misuse it and 90+% are busting the rules when using cross-band repeat. It is plain illegal in some countries. If you are going to use it, please be careful to choose your frequencies carefully.

==Ken

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Mike, K0TER

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Date: 9 Aug 94 00:16:57 CDT  
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!  
vixen.cso.uiuc.edu!newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!kuhub.cc.ukans.edu!  
christos@network.ucsd.edu  
Subject: Need some help with the design of an Operational Amplifier  
To: ham-equip@ucsd.edu

hello there,

I have a question concerning design of a simple amplifier using operational amplifiers. I am simply designing a noninverting amplifier with a gain of 2, that is  $R1=R2$  ( Closed Loop Gain= $(1+R2/R1)$  ). No matter what I apply to the input of the amp the output always saturates to -11 Volts. Even if no input is applied the output still gives a -11V. The voltages that I am applying to the Vcc+ and Vcc- of the op amp are +12V and -12V respectively. I am using the LM 741 opamp for this application.

Does anybody in this group happen to know what the problem might be?

I would appreciate any relevant response.

Please e-mail.

Thanks in advance

Chris

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Date: 5 Aug 94 14:36:03 GMT  
From: netcomsv!netcom.com!greg@decwrl.dec.com  
Subject: New Life For Old FM Rigs  
To: ham-equip@ucsd.edu

It's a shame to retire my Drake UV-3 to packet service, now that virtually every local repeater requires PL tones.

So I've been thinking about setting up an outboard sub-audible and DTMF encoder. Now the encoder and the DTMF pad are easy to obtain. However, most of the encoders seem to want a 5-bit encoding of values from 0-31 to select the sub-audible tones.

The control circuits seem like a significant challenge. Does anyone

know of a construction article or a kit for a sub-audible encoder with a human interface which is better than a row of dip switches?

Greg

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Date: 9 Aug 1994 18:19:54 GMT  
From: pendragon!jalonso@ames.arpa  
Subject: Q: Any Mods for Grundig Satellite 700?  
To: ham-equip@ucsd.edu

I was wondering if anyone has any mods that would open up the band around 300-500 kHz. Any other mods would be appreciated as well.

73,  
Jose

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Date: 9 Aug 94 23:51:15 GMT  
From: lhdsy1!nntpserver.chevron.com!swordfish.chvpkh.chevron.com@uunet.uu.net  
Subject: Radio Shack discount Stores  
To: ham-equip@ucsd.edu

> beau@enterprise.america.com writes:  
>  
> > I recall reading information on Compuserve some time ago  
> >that there was a Radio Shack affiliate store in Texas and  
> >also in New England that sold Radio Shack products approx.  
> >%20 discount. Anyone with address or phone # for these  
> >stores, please reply.

Marymac is a Radio Shack franchise store that sells Radio Shack products through the mail at lower prices than the Radio Shack catalog. They don't charge tax (unless you live in TX) and they include the cost of shipping in the cost of the item.

Marymac Industries  
22511 Katy Freeway  
Katy (Houston), TX 77450  
1-713-392-0747  
1-800-231-3680  
FAX 1-713-574-4567

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This is my opinion, not my company's.

Bill Corea  
hwcco@chevron.com

Chevron Overseas Petroleum Inc  
San Ramon, California

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Date: Fri, 5 Aug 1994 00:47:14 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!  
agate!trib.apple.com!amd!amdahl!juts.ccc.amdahl.com!avon!wre00@network.ucsd.edu  
Subject: Ramsey FX-146 with 9600 packet.  
To: ham-equip@ucsd.edu

As anybody tried using the Ramsey FX-146 on 9600 baud packet? Did it  
work OK? Did you have any problems??

Thanks, Rick, KD6VEG

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Date: Fri, 5 Aug 1994 04:17:52 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!  
math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!csus.edu!netcom.com!  
mpage@network.ucsd.edu  
Subject: Wanted, Kenwood RZ-1 mods  
To: ham-equip@ucsd.edu

Todd Wilburn (toddw@connected.com) wrote:  
: Tom WB7ASR (tom\_boza@ccm.hf.intel.com) wrote:

: : Does anyone have "any" mods for the Kenwood RZ-1 scanner?  
: : If so, I would appreciate copies of them.

: try FTP oak.oakland.edu  
: /pub/hamradio/mods/kenwood

: The RZ-1 might be there...It's a good source of mods

Tom, if you find any mods that are worthwhile, let me know, too. I have 2  
RZ-1's and they are great. I would buy any used one I could find. 73 Tom KI6BL  
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=====  
Thomas J. Kravitz, Box 1307, Culver City, CA 90232 310-838-1436

MEDIA PAGE

Internet: mpage@netcom.com  
CIS: 71674,1610

Breaking Stories to the  
News Media since 1978



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Date: 10 Aug 1994 01:02:12 GMT  
From: news.sprintlink.net!sun.cais.com!news@uunet.uu.net  
Subject: What kind of handheld is this?  
To: ham-equip@ucsd.edu

The frequency range suggests that this is an aircraft band radio. You really don't want to talk with it, since air comms are quite sensitive to interference and highly protected by the FCC.

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Date: 5 Aug 1994 17:39:22 GMT  
From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!  
travelers.mail.cornell.edu!news.kei.com!eff!news.duke.edu!news-  
feed-1.peachnet.edu!gatech!howland.reston.ans.net!math.@@ihnp4.ucsd.edu  
Subject: Yaesu ext mike/PTT circuit  
To: ham-equip@ucsd.edu

Would someone who has built (or bought and took apart) an external microphone with external push-to-talk for a Yaesu radio please send me the circuit diagram they used?

I am trying to build an external microphone with external push-to-talk switch (PTT) for my Yaesu FT-530 radio. Problem is, I am not sure of the best circuit to use. My Yaesu manual describes the mic jack as being 3 conductor, with the tip for the mic connection and the ring having DC voltage to bias the mic. No mention of the middle conductor.

I measured the ring connection of the radio jack and it was 5V below the tip connection, and appeared to have an impedance of 5Kohm between the ring and the tip. I suppose I could just wire the microphone directly to these two connections with the PTT switch in series (the mic I am using has an impedance of 1Kohm). But I examined one external mic with PTT at radio shack which claimed to work with Yaesu and it had a 470pF capacitor and 2.2Kohm resistor in parallel with the mic. The radio shack model used 2 of the 3 connections on the jack.

Any suggestions?

--

Erik Reuter, e-reuter@uiuc.edu

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Date: 9 Aug 94 00:03:40 GMT  
From: lhdsy1!nntpserver.chevron.com!chevron.com!cgwh@uunet.uu.net  
To: ham-equip@ucsd.edu

References <Ctwu7p.Lz1@murdoch.acc.Virginia.EDU>,  
<775953489snz@g4udt.demon.co.uk>, <320hbc\$30j@news.tamu.edu>d.umi  
Subject : Re: Yaseu FT470 like/dislike comments?

>Yves Remedios <Yves@g4udt.demon.co.uk> wrote:  
>>The FT-470 did not have a very good reputation and I know several  
>>people who owned them and did not keep when for long as they were  
>>unhappy with the HT. I cannot recall the exact reason for the  
>>dis-satisfaction.

I have a 470 and find it to be a great general purpose, dual bander. I had an IC-W2A that was stolen and replaced it with the 470. Intermod trouble was about the same for both radios. I have never heard any call a dual band hand held "bulletproof". Not a lot of bells and whistles. There could be better isolation between the two bands.

Curtis Wheeler CGWH@CHEVRON.COM San Ramon, CA  
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

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End of Ham-Equip Digest V94 #276  
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